

Product Information

NativeExtract™ Human APLNR Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX364**

This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human APLNR protein in native nanodisc form. The synthetic compound we developed can solubilize the APLNR protein from membrane while retaining the native structure.

Product Specifications

Host Species

Human

Target Protein

APLNR

Protein Length

Full length

Molecular Weight

42.7 kDa

Sequence

Accession # [P35414](#)

Product Description

Activity

Yes

Application

ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

Expression Systems

HEK293 expression system

Tag

Flag tag at the C-terminus

Protein Format

Native Nanodisc

Form

Liquid

Buffer

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

Storage

The product should be stored at -20°C to -80°C.

Target**Target Protein**

APLNR

Full Name

Apelin receptor

Introduction

This gene encodes a member of the G protein-coupled receptor gene family. The encoded protein is related to the angiotensin receptor, but is actually an apelin receptor that inhibits adenylate cyclase activity and plays a counter-regulatory role against the pressure action of angiotensin II by exerting hypertensive effect. It functions in the cardiovascular and central nervous systems, in glucose metabolism, in embryonic and tumor angiogenesis and as a human immunodeficiency virus (HIV-1) coreceptor. Two transcript variants resulting from alternative splicing have been identified.

Alternative Names

APJ; APJR; HG11; AGTRL1; APJ (apelin) receptor; APJ receptor; G protein-coupled receptor APJ; G-protein coupled receptor HG11; HG11 orphan receptor; angiotensin II receptor-like 1; angiotensin receptor-like 1; APLNR; Apelin receptor

Gene ID

[187](#)

UniProt ID

[P35414](#)